

## Message Text

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SUBJECT: RATIONALIZATION STUDY OF COMMUNICATIONS

REF STATE 284027

SUMMARY: DPC INITIATED STUDY OF CONSOLIDATION OF COMMUNICATIONS AS A MEANS OF RATIONALIZATION, CHARGING EXECUTIVE WORKING GROUP (EWG) TO OVERSEE THIS AND OTHER RATIONALIZATION STUDIES. EWG REQUESTED NATO JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE (NJCEC) TO UNDERTAKE STUDY. MISSION HAS CONCLUDED THAT BILATERAL EFFORTS OF TYPE USEUCOM AND CA-EUROPE NOW ARE PURSUING OFFER MOST PROMISE. MISSION HOPES TO USE EXAMPLE OF SUCCESSFUL US EFFORTS TO MOVE OTHER ALLIES TOWARD RATIONALIZATION OBJECTIVES. THE ALLIED SYSTEMS OFFERING MOST PROMISE FOR CONSOLIDATION WITH US SYSTEM APPEAR TO BE MILITARY UK RADIO COMMUNICATIONS SYSTEM (MUKRCS), THE NATO CIP-67 MICROWAVE SYSTEM, AND THE ITALIAN TRI-SERVICE MICROWAVE SYSTEM. ACHIEVEMENT OF FULL RATIONALIZATION POTENTIAL OF THESE  
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CANDIDATE CONSOLIDATIONS AND EXAMINATION OF THEIR POSSIBILITIES REQUIRE MORE STUDY, AND NEITHER USEUCOM NOR DCA-EUROPE HAS SUFFICIENT PERSONNEL TO APPLY TO THIS STUDY. MISSION ESTIMATES

THREE TO SIX MAN YEARS REQUIRED AND RECOMMENDS THAT USEUCOM OR

DCA-EUROPE BE AUGMENTED WITH CAPABLE COMMUNICATIONS SYSTEMS ENGINEERS TO CONTINUE THIS EFFORT. MISSION ALSO RECOMMENDS THAT DOD CONSIDER ESTABLISHING MUTUAL COMMUNICATIONS SUPPORT IN EUROPE AS A FORMAL PROGRAM WITH SPECIFIED OBJECTIVES AND PERIODIC REVIEWS. END SUMMARY.

1. THE DPC INITIATED THE STUDY OF CONSOLIDATION OF COMMUNICATIONS AS A MEANS TO RATIONALIZATION, CHARGING THE EXECUTIVE WORKING GROUP (EWG) TO OVERSEE IT ALONG WITH OTHER RATIONALIZATION STUDIES. THE WWG REQUESTED THE NATO JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE (NJCEC) TO MAKE THE STUDY, REPORTING RESULTS IN TIME FOR THE SPRING 1975 MINISTERIAL MEETING. THE EWG MAINTAINS AN ACTIVE INTEREST IN PROGRESS OF THIS STUDY, SEEKING TO ASSURE TIMELY AND ADEQUATE RESPONSE TO THE DPC, AND WILL HEAR AN INTERIM REPORT ON MARCH 25.

2. RESPONDING TO THE EWG REQUEST, THE NJCEC IN OCTOBER 1974 TASKED THE JOINT COMMUNICATIONS-ELECTRONICS WORKING GROUP (MJCEWG) TO UNDERTAKE THE STUDY. THE US HAS BEEN THE LEADER (AND ONLY STRONG ADVOCATE) OF THIS STUDY, HAVING MADE THE ONLY TANGIBLE CONTRIBUTION IN NATO FORUMS TO DATE, ALTHOUGH BELGIUM, DENMARK, AND NICSMA IN RECENT ACTIONS HAVE INDICATED VARIOUS DEGREES OF SUPPORT. NEITHER MJCEWG NOR ANY OTHER NATO GROUP ACTUALLY CAN ACHIEVE CONSOLIDATION, BUT THEY CAN SERVE AS FORUMS FOR EXCHANGING INFORMATION AND EVALUATING PROGRESS. NATIONAL AND NATO DEFENSE COMMUNICATIONS SYSTEMS PLANNING AND OPERATING AGENCIES ARE BEST PREPARED TO MAKE THE ACTUAL CONSOLIDATION STUDIES. FOR THE US, THESE ARE MILITARY ORGANIZATIONS. MISSION SEES ITS ROLE IN THIS EFFORT TO BE (A) MOTIVATING ALLIES TO PURSUE RATIONALIZATION PROJECTS, (B) MONITORING US PROGRESS AND REPORTING IT TO ALLIES, AND (C) ASSISTING IN GETTING POLITICAL APPROVAL (US AND ALLIED) OF CONSOLIDATION PROJECTS.

3. MISSION HAS HAD EXTENSIVE INTERCHANGE WITH USEUCOM AND DCA-EUROPE ON US INPUT TO CONSOLIDATION-OF-COMMUNICATIONS STUDY. THESE TWO MILITARY COMMANDS HAVE MADE MUCH PROGRESS TOWARD CONFIDENTIAL

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RATIONALIZATION OBJECTIVES THROUGH USEUCOM'S COMMUNICATIONS MUTUAL SUPPORT PROGRAM. THEIR EXPERIENCE, SUBSTANTIATED BY MISSION'S OBSERVATION, SHOWS THAT BILATERAL (NATION-TO-NATION OR NATION-TO-NATO AGENCY) ENDEAVORS OFFER MOST CHANCE FOR SUCCESS. THEIR FIRST PROJECT, DCS-ACE HIGH INTERCONNECT, DOES NOT ACTUALLY CONSERVE RESOURCES, BUT IT SETS THE STAGE FOR MORE PRODUCTIVE EFFORTS. THE MOST PROMISING OF THESE ARE THE FOLLOWING:

A. CONSOLIDATION IN THE UK. DCA-EUROPE AND UK SIGNALS PROJECT AGENCY HAVE AGREED AT WORKING LEVEL TO THE TECHNICAL AND OPERATIONAL FEASIBILITY OF SATISFYING MOST US REQUIREMENTS IN THE UK THROUGH THE PLANNED MILITARY UK RADIO COMMUNICATIONS SYSTEM (MUKRCS). IF THE US AND UK IMPLEMENT THIS CONSOLIDATION SCHEME THE US CAN DEACTIVATE MUCH OF THE DCS

TERRESTRIAL TRANSMISSION SYSTEM IN THE UK. FURTHER WORK ON THIS PROJECT MUST AWAIT UK APPROVAL OF THE OVERALL MUKRCS PROGRAM AND BOTH US AND UK APPROVAL OF THE PROPOSED CONSOLIDATION. MISSION VIEWS THE DCS-MUKRCS CONSOLIDATION AS A "TEXT BOOK" EXAMPLE OF THE SORT OF PROJECT WE SHOULD PURSUE IN THE RATIONALIZATION EFFORT.

B. CIP-67 OVERBUILD. DCA-EUROPE HAS PROPOSED OVERBUILD OF A PORTION OF CIP-67 TO PROVIDE ROUTING FOR GROUPS OF CIRCUITS NOW CARRIED OVER US-OWNED FACILITIES. IF IMPLEMENTED, THIS OVERBUILD WILL PERMIT DEACTIVATION OF ONE NORTH-SOUTH DCS TRANSMISSION CHAIN IN GERMANY. DCA-EUROPE ALSO HAS PROPOSED CIP-67 OVERBUILDS TO OBTAIN ADDITIONAL CIRCUITS IN THE PRIMASSENS AREA, THEREBY AVOIDING THE NECESSITY TO INSTALL ADDITIONAL US FACILITIES. ANOTHER POSSIBILITY, NOT YET STUDIED, IS USE OF CIP-67 TO OBTAIN TRUNKS FOR THE NEW EUROPEAN TELEPHONE SYSTEM (FORMERLY THE ARMY DIRECT DISTANCE DIAL NETWORK). MISSION AND USEUCOM AGREE THAT CIP-67 OFFERS POTENTIAL FOR FURTHER SAVINGS TO US, BUT USEUCOM LACKS RESOURCES FOR STUDY OF ALL THE POSSIBILITIES.

C. A THIRD CANDIDATE IN THE USEUCOM MUTUAL SUPPORT PROGRAM IS FUTURE CONSOLIDATION OF THE US TRANSMISSION SYSTEM IN ITALY WITH THE PLANNED ITALIAN TRI-SERVICE MICROWAVE SYSTEM. USEUCOM NOW AWAITS AGREEMENT OF ITALIAN AUTHORITIES TO BEGIN DISCUSSION OF THIS POSSIBLE CONSOLIDATION.

4. MISSION HAS CONCLUDED THAT THE BIG RATIONALIZATION POTENTIAL  
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LIES IN PLANNING FUTURE SYSTEMS AS CONSOLIDATED SYSTEMS. THEREFORE TOGETHER WITH USEUCOM AND DCA-EUROPE, MISSION RECOMMENDS FOLLOWING STUDY AREAS:

A. COMPREHENSIVE STUDY OF CIP-67 OVERBUILD POSSIBILITIES  
B. COMPREHENSIVE STUDY OF CONSOLIDATING US DCS WITH ITALIAN TRI-SERVICE SYSTEM.

C. SCREENING OF NATIONAL MILITARY COMMUNICATIONS, EXISTING OR PLANNED, IN GERMANY, BELGIUM, AND THE NETHERLANDS FOR CONSOLIDATION POSSIBILITIES, WITH COMPREHENSIVE FOLLOW-ON STUDY OF PROMISING CANDIDATES.

5. MISSION, USEUCOM, AND DCA-EUROPE REPS COLLECTIVELY ESTIMATE THAT PROPOSED STUDIES REQUIRE THREE TO SIX MAN YEARS OVER AT LEAST A ONE-YEAR PERIOD. PERSONNEL SHOULD BE WELL-QUALIFIED COMMUNICATIONS SYSTEMS ENGINEERS CAPABLE OF TECHNICAL, OPERATIONAL, AND ECONOMIC ANALYSES. MISSION BELIEVES STRONGLY THAT THESE STUDIES SHOULD BE BASED IN EUROPE. IN VIEW OF PROGRESS MADE TO DATE IN MUTUAL SUPPORT PROGRAM, MISSION SUGGESTS THAT SEGMENTATION OF USEUCOM-DCA-EUROPE TEAM AS SOON AS FEASIBLE IS MOST LOGICAL APPROACH.

6. MISSION BELIEVES THAT AGGRESSIVE PURSUIT OF MUTUAL SUPPORT

IN EUROPE OFFERS THE POTENTIAL FOR LARGE SAVINGS OF US RESOURCES.  
IMPLEMENTATION OF SOME PROJECTS WILL REQUIRE CAPITAL INVESTMENT,  
BUT OPERATING-COST REDUCTIONS SHOULD QUICKLY AMORTIZE THIS  
INVESTMENT. TO ASSURE PROPER VISIBILITY OF THIS EFFORT, MISSION  
RECOMMENDS THAT DOD CONSIDER ESTABLISHING MUTUAL COMMUNICATIONS  
SUPPORT IN EUROPE AS A FORMAL PROGRAM WITH SPECIFIED OBJECTIVES  
AND PERIODIC PROGRESS REVIEWS. IN MISSION VIEW, THIS MOVE WOULD  
ENGENDER WIDER SUPPORT AND WOULD FACILITATE EXECUTION.  
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